

### **EXAMINER'S AMENDMENT**

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Daniel Gibson on 01/11/2010.

The application has been amended as follows:

**Claim 12 (Currently Amended).** A method of representing a predeterminable region in multidimensional data sets, wherein data sets comprise in particular three- or four-dimensional image data of an object to be examined, wherein the image data are generated via one or more images of the object, and wherein at least one in particular two-dimensional section (S) is made through the predeterminable region and displayed on a display, wherein the section (S) is defined by at least one vector plane (E 1, E2), which lies in the multidimensional data set, the at least one vector plane (E 1, E2) is fixed via a vector, and the vector is fixed in the multidimensional data set and/or on in particular two-dimensional planes of section (S 1, S2) through the multidimensional data set, and wherein the vector is a direction vector which has a specifiable orientation and a specifiable length spanning the predeterminable region, the vector being adapted to the multidimensional data set, wherein the vector is fixed on a first two-dimensional plane of section (S 1) by specifying the orientation and length, and the vector so fixed is

copied on to a second plane of section (S2), preferably non-parallel to the first plane of section (S1), and correctable thereon.

2. Claims 12-19 are allowed.

3. The following is an examiner's statement of reasons for allowance:

The prior art does not teach the section is defined by at least one vector plane, which lies in the multidimensional data set, the at least one vector plane is fixed via a vector, and the vector is fixed in the multidimensional data set and/or on in particular two-dimensional planes of section through the multidimensional data set, and wherein the vector is a direction vector which has a specifiable orientation and a specifiable length spanning the predetermined region, the vector being adapted to the multidimensional data set, wherein the vector is fixed on a first two-dimensional plane of section by specifying the orientation and length, and the vector so fixed is copied on to a second plane of section, preferably non-parallel to the first plane of section, and correctable thereon.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kimbinh T. Nguyen whose telephone number is (571)

272-7644. The examiner can normally be reached on Monday to Friday from 9:00 AM to 5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Xiao Wu can be reached at (571) 272-7761. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

January 13, 2010

/Kimbinh T. Nguyen/  
Primary Examiner, Art Unit 2628